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## (54) OPTICAL FILTER DEVICE

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide an optical filter device capable of simulating the dimming function of plural kinds of color filters without one by one exchanging an optical filter in the optical filter device arranged on the optical path of a photographing equipment and dimming subject light.

**SOLUTION:** This optical filter device arranged on the optical path of the photographing equipment and dimming subject light is provided with an optical filter plate 1 in which the plural kinds of color filters mixedly exist to be arranged, a spatial optical modulation element 2 which is superposed and provided on the plate 1 and whose light transmittance can be changed by each unit segment arranged in a matrix-state, and a control

means 3 controlling the unit segment of the element 2 and adjusting the transmitting rate of the color component of the subject light.

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